ABSTRACT

IMAGE PROCESSING APPARATUS

In an image processing system, a subject object 210 is

5   placed on top of an object support 220 on a calibration

object 34 having a known pattern of features thereon.

Images recorded at different positions and orientations

are processed to generate a three-dimensional computer

model of the subject object alone or the subject object

10   together with the calibration object. By imaging the

subject object 210 on an object support instead of

placing it directly on the calibration object, the user

is provided with flexibility in the selection of the

pattern and colour of the calibration and the selection

15   of the imaging positions and orientations. By providing

an object support 220 having a top surface on which the

subject object 210 sits which does not protrude from

beneath the base of the subject object 210, the user is

provided with flexibility in the selection of lighting

20   conditions. By imaging the subject object 210 with a

background screen 228 behind it, the user is provided

with flexibility in the selection of the surface on which

the calibration object 34 is placed for imaging.

25   (FIGURE 3)